

CLAIMS

What is claimed is:

1 1. A method for writing servo information onto a disk
2 of a hard disk drive, comprising:
3 writing a reference servo pattern onto a track of a
4 disk with an off-line servo track writer;
5 assembling the disk into a hard disk drive; and,
6 writing a final servo pattern onto the track of the
7 disk.

1 2. The method of claim 1, wherein the final servo
2 pattern contains more servo bits per track than the
3 reference servo pattern.

1 3. The method of claim 2, wherein the reference servo
2 pattern includes A, B and C servo bits, and the final servo
3 pattern includes A, B, C and D servo bits.

1 4. The method of claim 1, wherein the reference servo
2 pattern is written in a single pass.

1 5. The method of claim 1, wherein the final servo
2 pattern is written in two passes.

1 6. The method of claim 1, further comprising writing a
2 reference calibration servo pattern onto the disk with the
3 off-line servo track writer.

1 7. The method of claim 6, wherein the reference
2 calibration servo pattern includes A, B, C, D, E and F
3 servo bits.

1 8. A method for writing servo information onto a disk
2 of a hard disk drive, comprising:

3 writing a reference servo pattern onto a track of a
4 disk in a single pass with an off-line servo track writer;
5 assembling the disk into a hard disk drive; and,
6 writing a final servo pattern onto the track of the
7 disk in two passes.

1 9. The method of claim 8, wherein the final servo
2 pattern contains less servo bits per track than the
3 reference servo pattern.

1 10. The method of claim 9, wherein the reference servo
2 pattern includes A, B and C servo bits, and the final servo
3 pattern includes A, B, C and D servo bits.

1 11. The method of claim 8, further comprising writing
2 a reference calibration servo pattern onto the disk with
3 the off-line servo track writer.

1 12. The method of claim 11, wherein the reference
2 calibration servo pattern includes A, B, C, D, E and F
3 servo bits.